

Course Description Form	
Course Code and Name	DHF 360 Pediatric Dentistry
Course Semester	5-6
Catalogue Data of the Course (Course Content)	It includes the eruption of milk and permanent teeth, complications that may occur, factors related to the mother and child affecting the dental system, development disorders of the teeth, the concept of caries prophylaxis, erosion, caries formation, deciduous tooth cavity principles, restorative materials used, advanced restorative applications, pulp diseases and treatments.
Course Textbook	<ol style="list-style-type: none"> 1. Pediatric Dentistry: Infancy through adolescence; 5E, 5th edition. Editors: Casamassimo PS, McTigue DJ, Fields HW, Nowak AJ, 2013. 2. Alaçam T: Endodontics. Ankara, 2012
Supplementary Textbooks	McDonald and Avery's Dentistry for the Child and Adolescent. Tenth Ed. Editors: Dean, JA, Jones JE, Winson LA. 2016.
Credit (ECTS)	3
Prerequisites of the Course (Attendance Requirements)	<ol style="list-style-type: none"> 1. It is compulsory to attend the course. 2. Must have successfully completed the DHF222 (endodontics), DHF210 (Restorative Dentistry), DHF2260 (Materials Information) courses.
Course Type	Vocational / Technical Compulsory Course
Language Instruction	Turkish
Course Objectives	To be able to diagnose conditions that deviate from normal with normal tooth development in children, to learn the concept of caries prophylaxis, to gain the ability to treat developing erosion, caries and more advanced pathological conditions.
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Learns the definition, mission and vision of Pediatric Dentistry, and the basic rules of the functioning of the department. 2. Knows the formation of milk teeth 3. Defines the differences, morphological and histological features of milk and permanent teeth. 4. Knows the normal driving mechanism of milk and permanent teeth. 5. Knows the eruption times of milk and permanent teeth and can distinguish changes. 6. Knows the normal and anomalies of milk tooth root resorption. 7-8. Knows the factors affecting the child's dental system related to mother and child. 9. Knows the relationship between nutrition and caries, can give basic nutritional advice to parents and children in terms of oral and dental health. 10. Understands the importance of vitamins in children and their effects on the oral and dental system. 11-12-13-14. Deviation from the normal structure of teeth in children has a distinctive knowledge. 15. Defines molar-incisor hypomineralization in children, knows the treatment of colored teeth, directs them to a specialist when necessary. 16. The child knows the necessary preventive measures for oral and dental health. 17. Evaluates whether children are active with caries. Knows and applies fluoride applications and mechanisms in children. 19. Describe opaque lesions and have information about their treatments. 20. Learns which tooth decay occurs in which parts of the teeth, defines erosion and distinguishes it from caries in children. 21. Knows the classical and current cavity principles in primary

	<p>teeth. 22-23. Learns which materials can be used to restore the material losses caused by tooth decay. 24-25 Learns restorative and prosthetic treatment options in advanced material and tooth loss in children. 26. Learns deciduous tooth pulp and surrounding tissue diseases. 27. Learns milk tooth pulp treatments. 28. Learns the materials used in the treatment of primary tooth pulp diseases.</p>
Instruction Methods	Face of face
Weekly Schedule of the Course	<ol style="list-style-type: none"> 1. Week Introduction to pediatric dentistry 2. Week Formation of milk teeth 3. Week Morphological and histological features of deciduous teeth 4. Week Milk and permanent tooth eruption 5. Week Eruption times, numbering and eruption complications in milk and permanent teeth 6. Week Physiological root resorption and eruption anomalies in primary teeth 7. Week Factors affecting the child's dental system 8. Week Factors affecting the child's dental system 9. Week Nutrition in terms of tooth decay in children 10. Week The importance of vitamins and minerals in children 11. Week Dental development disorders in children 12. Week Dental development disorders in children 13. Week Dental development disorders in children 14. Week Dental development disorders in children 15. Week Molar-cut hypomineralization (MSC) Coloring and treatment of children's teeth 16. Week The concept of prophylaxis in pediatric dentistry The concept of prophylaxis in pediatric dentistry 17. Week Caries risk assessment in children Fluoride in pediatric dentistry, mechanism of action, systemic and local effects, applications 18. Week Fluoride, mechanism of action, systemic and local effects, applications in pediatric dentistry Pit and fissure sealants and applications in children 19. Week Remineralization and resin infiltration technique in initial caries 20. Week Location and types of caries in children Erosion in pediatric dentistry 21. Week Principles of cavity and modern treatment methods in deciduous teeth 22. Week Restorative materials used in pediatric dentistry features and principles of use 23. Week Restorative materials used in pediatric dentistry features and principles of use 24. Week Advanced restorative applications in children Prefabricated crowns in children 25. Week Children's prostheses 26. Week Pulp diseases in milk teeth and diagnosis methods 27. Week Milk tooth pulp treatments 28. Week Methods and materials used in the treatment of primary tooth pulp diseases
Teaching Activities <i>(The time spent for the activities listed here will determine the amount of credit required)</i>	<p>Weekly theoretical course hours: (1 hour / 14 weeks) + (2 hours / 14 weeks); Total: 42 hours Weekly practical lesson hours 8 hours-2 weeks Web browsing, library work: 5 weeks / 2 hours Material design, implementation: 5 weeks 2 hours Midterm and midterm exam preparation: 2 weeks 1 hour Preparation for final exam and final exam: 1 week 1 hour</p>

Assessment Criteria		Numbers	Total Weighting (%)
	Midterm Exams	2	50
	Assignment		
	Application	1	10
	Projects		
	Practice		
	Quiz		
	Final Exam	1	40
	Total	3	100

Workload of the Course	Activity	Total Number of Weeks	Duration (weekly hour)	Total Period Work Load
	Weekly Theoretical Course Hours	28	1- 2	42
	Weekly Tutorial Hours	2	8	16
	Reading Tasks			
	Web browsing, library work	5	2	10
	Material Design and Implementation	5	2	10
	Report Preparing			
	Preparing a Presentation			
	Presentations			
	Midterm Exam and Preperation for Midterm Exam	2	1	2
	Final Exam and Preperation for Final Exam	1	1	1
	Other (should be emphasized)			
	Total Workload			81
	Total Workload / 25			3,24
Course Credit (ECTS)			3	

Contribution Level Between Course Outcomes and Program Outcomes	No	Program Outcomes	1	2	3	4	5
	1	PO1			x		
	2	PO2					x
	3	PO3					x
	4	PO4			x		
	5	PO5		x			
	6	PO6			x		x
	7	PO7				x	
	8	PO8			x		
	9	PO9					x
	10	PO10			x		
	11	PO11				x	
	12	PO12			x		
	13	PO13				x	
	14	PO14			x		

**Lecturer(s) and Contact
Informations**

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